

Central Coast Region 2008 303(d)/305(b) Integrated Report



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Central Coast Water Board Staff

Santa Maria River Estuary
April 2006

Outline

- Identify and Prioritize Water Quality Problems
- Clean Water Act Requirements & Listing Policy
- Summary of Assessment and Findings
- Summary of Comments
- Staff Recommendation

Identify Water Quality Problems

Line of Evidence Quick Report	
Board Name:	Regional Board 3 - Central Coast Region
Water Body Name:	Big Creek (Big Sur Coast)
Water Body ID:	CAR3080005019990223091332
Listing Cycle:	2008
Line of Evidence Description	
LOE ID	11097
Assessment Status	LOE In Progress
Assessor Comment	
Beneficial Use Assessed	Water Contact Recreation
Related Aquatic Life Use	
Pollutant(s)	Escherichia coli (E. Coli)
LOE Subgroup	Pollutant-Water
Matrix	Water
Fraction	None
Criteria/Objective	USEPA Ambient Water Quality Criteria for Escherichia - 1986.
Evaluation Guideline	Single sample maximum allowable density for coliforms in freshwater is 235 MPN/100mL (as stated in Table 4, page 15)
Number of Samples	24
Number of Exceedences	0
Data Used to Assess	Water Quality
Data and Information Type	Central Coast Regional Board Staff assessed CCAMP Coastal Confluences (CC) data for Big Creek (Big Sur Coast) to determine beneficial use support and results are as follows: 0 of 24 samples exceed the criterion for Escherichia coli.
Spatial Representation	PATHOGEN MONITORING Data for this line of evidence for Big Creek (Big Sur Coast) was collected at 1 monitoring site [308BGC-Big Creek at Highway 1]
Temporal Representation	Data was collected over the time period 2/8/2005-12/19/2006. CCAMP Coastal confluence monitoring is conducted monthly (with the exception of April 2003 - December 2003) and is ongoing.
Environmental Conditions	Staff is not aware of any special conditions that might effect interpretation of the data.
Quality Assurance Information	All data was collected following the Standard Operating Procedures and Data Quality Objectives outlined in the SWAMP QAMP, (Puckett, 2002). QA data are included in submission. All data are flagged as appropriate.

Identify Water Quality Problems

Compare all data to all relevant criteria

- Basin Plan and Ocean Plan Objectives
- Evaluation Guidelines
 - Listing Policy defines criteria to identify guidelines
 - Protective of Beneficial Uses
 - Recreation
 - Shellfish Harvesting & Commercial Fishing
 - Aquatic life

Identify Water Quality Problems

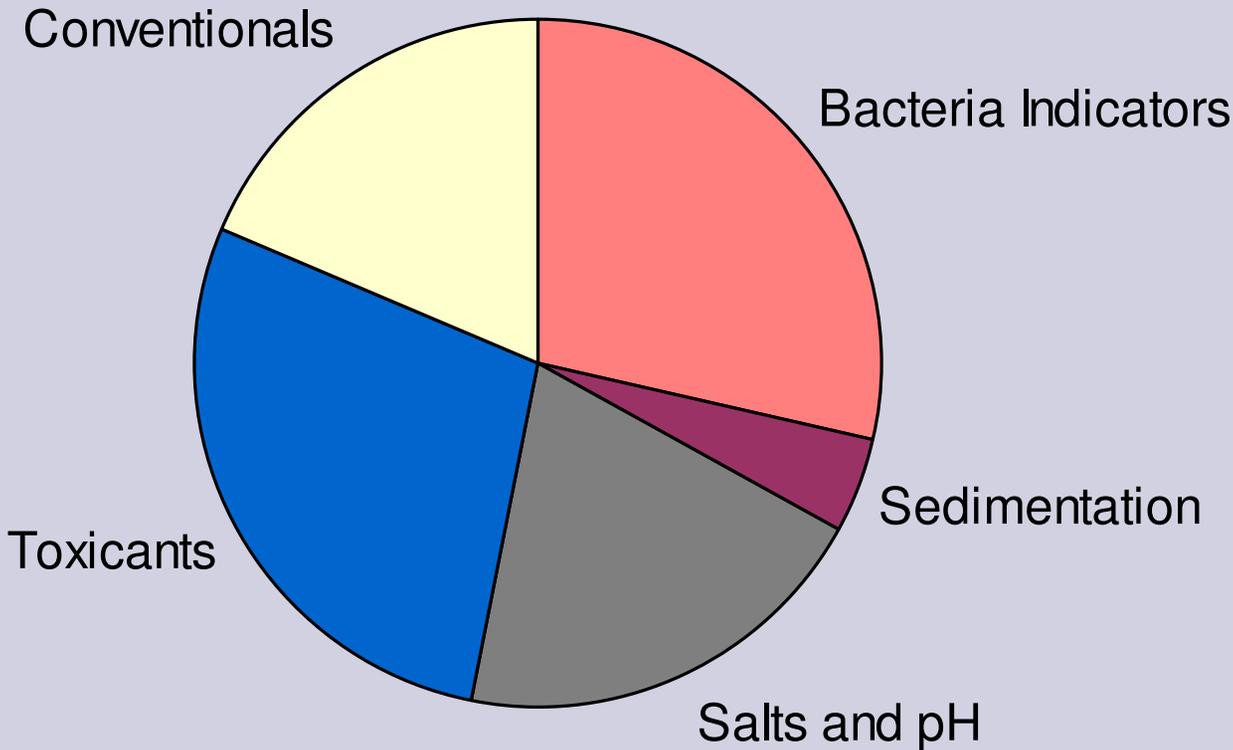
2008 Proposed List of Impaired Waterbodies

- Listed = 704 (existing and new)
- De-listed = 49
 - 6 due to meeting water quality standards

2006 List

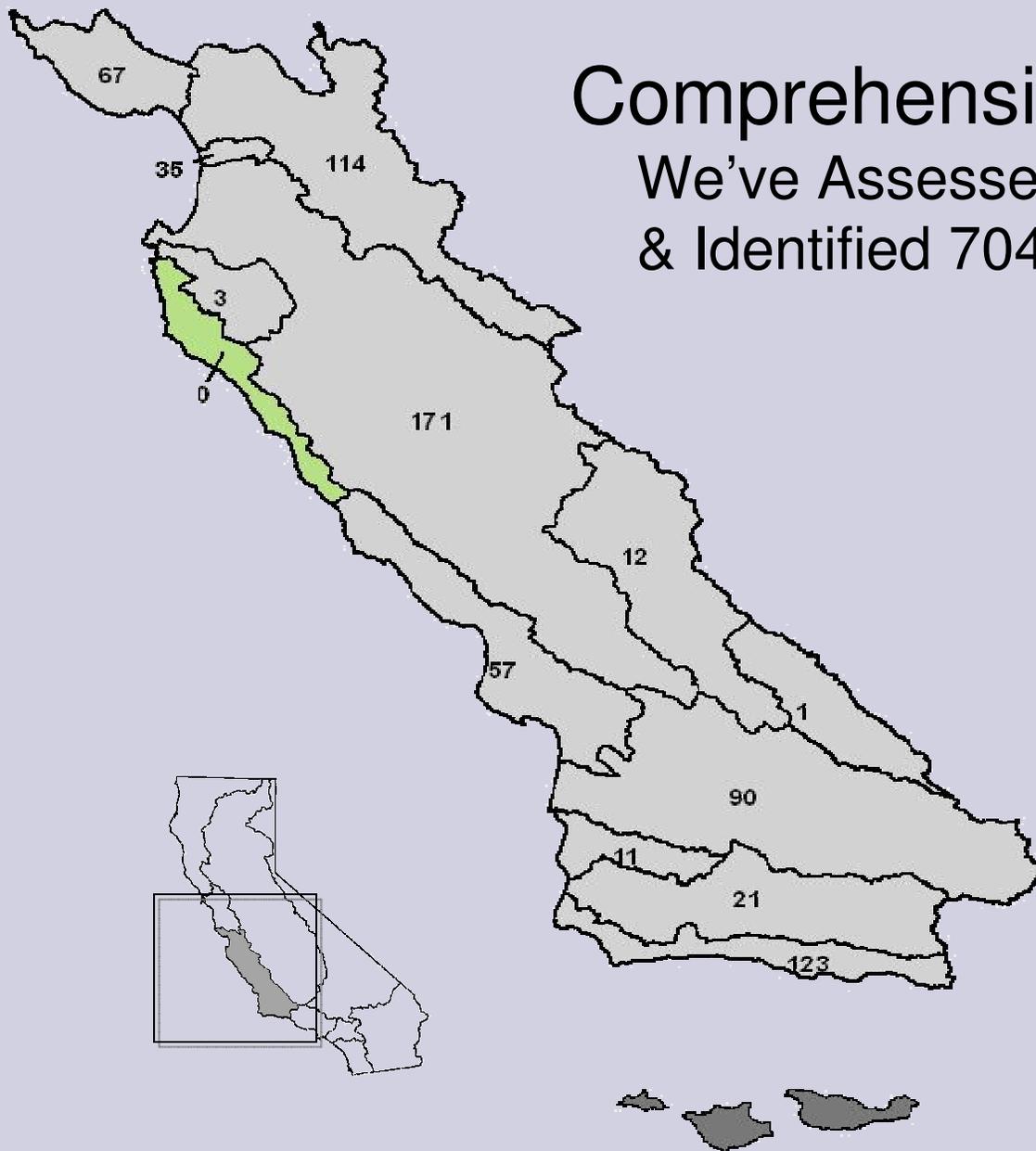
- Listed = 222

Pollutants Driving Water Quality Problems



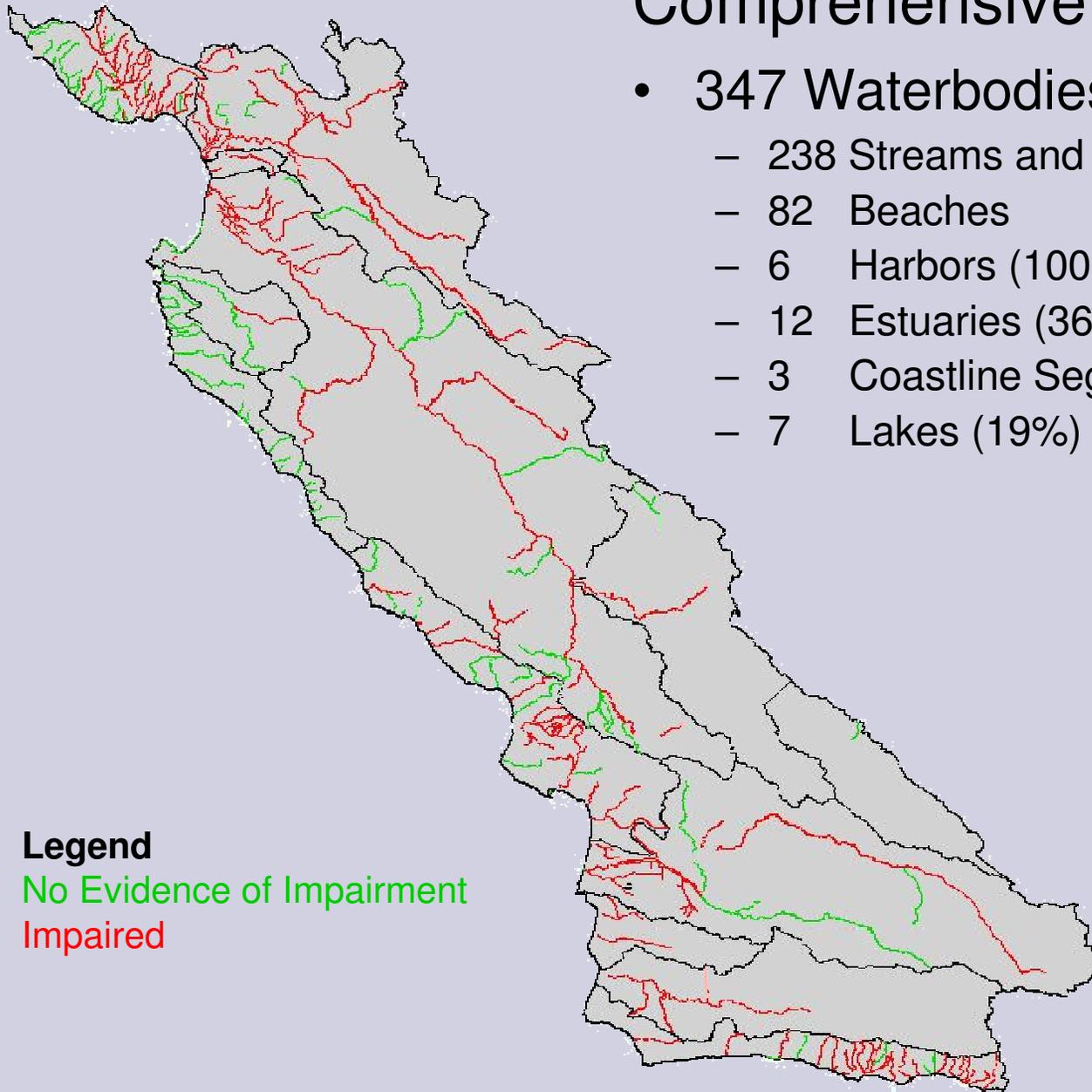
Comprehensive Assessment

We've Assessed 347 Waterbodies
& Identified 704 Impairments



Comprehensive Assessment

- 347 Waterbodies Assessed
 - 238 Streams and Rivers (29 %)
 - 82 Beaches
 - 6 Harbors (100%)
 - 12 Estuaries (36%)
 - 3 Coastline Segments (27%)
 - 7 Lakes (19%)



Legend

No Evidence of Impairment

Impaired

Prioritization

- Determining High Priority
 - Magnitude of impairment
 - Number of Beneficial Uses affected
 - TMDLs in Progress
- High Priority Listings
 - 5 Years to address (TMDL or other means)
 - 250+ High Priority Listings

Prioritization

Tools to Address High Priority Listings

- Develop TMDLs
- Resolve Impairments with Regional Board Programs (i.e. Ag and Storm Water Programs)
- Modify Basin Plan Objectives
- Re-evaluate Priorities in 2010 Integrated Report

Public Comments

- Public Workshop
 - April 22 at Central Coast Water Board
- Public Comment Period
 - Received 28 formal comment letters
 - Summarized 203 comments and provided response
 - Supplemental Report (for comments after May 26th)

Public Comments

Key Topics

- Comments Supporting Recommendations

Public Comments

Key Topics

- Comments Supporting Recommendations
- Errors and Omissions
 - All errors addressed
 - Data within scope of 2008 Report assessed
 - Data after deadline (Feb 2007)
 - Submit for 2010 Report

Public Comments

Key Topics

- Comments Supporting Recommendations
- Errors and Omissions
- Listing Prioritization
 - Multiple comments in opposition to re-prioritization of existing listings
 - Staff has complied with EPA guidance and California Listing Policy

Public Comments

Key Topics

- Comments Supporting Recommendations
- Errors and Omissions
- Listing Prioritization
- Use of Water Quality Objectives and/or Beneficial Uses Inappropriate
 - Staff used objectives and evaluation guidelines in accordance with the California Listing Policy
 - Staff used beneficial use designations without judgment
 - Staff forwarded all comments of this nature triennial review staff

Recommendation

Adopt Resolution R3-2009-0053 approving the 2008 303(d) List of Impaired Waterbodies for the Central Coast Region



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